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GSO 54 (1987) (English): INDUSTRIAL SAFETY AND
HEALTH REGULATIONS – BUILDINGS – PART 2: SANITATION



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STANDARDIZATION ORGANIZATION FOR G.C.C (GSO)



GSO 54/1986

اشتراطات السلامة والصحة الصناعية
المباني

الجزء الثاني : الصحة الوقائية

INDUSTRIAL SAFETY AND HEALTH
REGULATIONS – BUILDINGS —
PART 2: SANITATION

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INDUSTRIAL SAFETY AND HEALTH REGULATIONS – BUILDINGS — PART 2: SANITATION

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**INDUSTRIAL SAFETY AND HEALTH
REGULATIONS – BUILDINGS —
PART 2: SANITATION**

1. SCOPE AND FIELD OF APPLICATION

This Standard is concerned with sanitary requirements in buildings for industrial purposes.

2. DEFINITIONS

- 2.1 **Lavatory:** A basin or a similar vessel with running water and drain provisions used exclusively for washing hands, arms, faces and heads.
- 2.2 **Number of Employees:** The maximum number of employees present at any one time on a regular shift.
- 2.3 **Potable Water:** Water approved for drinking purposes by the authority having jurisdiction from GCC Countries.
- 2.4 **Toilet Facility:** A fixture maintained within a toilet room for the purpose of defecation or urination, or both.
- 2.5 **Toxic Material:** A material in concentration or amount which is in excess of the amount permitted in the Draft Gulf Standard concerned with “Industrial Safety and Health Regulations - Hazardous Materials - Toxic and Hazardous Substances”.

3. REQUIREMENTS

- 3.1 Housekeeping
 - 3.1.1 All places of employment shall be maintained, as far as practicable, in a dry condition. Where wet, drainage shall be maintained and false floors, platforms, mats, or other dry standing places shall be provided, where practicable, or appropriate waterproof foot wear shall be provided.
 - 3.1.2 To facilitate cleaning, every floor, working place, and passageway shall be kept free from protruding nails, splinters, loose boards and unnecessary holes and openings.
 - 3.1.3 All stairways, passageways, gangways and accessways shall be kept free from materials, supplies, and obstructions at all times.
 - 3.1.4 Tools, materials, extension cords, hoses, or debris shall not be strewn about in a manner, which may cause tripping, or other hazard.
 - 3.1.5 Tools, materials and equipment subject to displacement or falling shall be adequately secured.
 - 3.1.6 Empty bags having contained -lime, cement, and other dust producing material shall be removed daily from work areas.

- 3.1.7 Walkways, runways and sidewalks shall be kept clear of excavated material or other obstructions.
- 3.1.8 Form and scrap lumber and debris shall be kept cleared from work areas, passageways, and stairs in and around building storage yards and other structures.
- 3.1.9 Accumulation of flammable and combustible liquids on floors, walls, etc. is prohibited. All spills of flammable and combustible liquids shall be cleaned up immediately.
- 3.1.10 Containers shall be provided for the collection and separation of trash, rags and waste soiled by combustible or flammable materials and other refuse. Covered metal containers shall be provided for garbage and oily, flammable, or hazardous wastes such as caustics, acids, and harmful dust. Disposal shall be daily.
- 3.2 Waste Disposal
 - 3.2.1 Any receptacle used for putrescible (rotting) solid or liquid waste or refuse shall be so constructed that it does not leak and may be thoroughly cleaned and maintained in a sanitary condition. Such a receptacle shall be equipped with a solid tight-fitting cover. Hazardous materials shall be disposed of under the supervision of the authorities concerned.
 - 3.2.2 All sweepings, solid or liquid wastes, refuse, and garbage shall be removed as often- as necessary or appropriate in such a manner as to avoid creating a menace to health and to maintain the place of employment in a sanitary condition.
 - 3.2.3 Scrap lumber shall be placed in piles or containers.
 - 3.2.4 Waste material and rubbish shall not be dropped or thrown down from a distance of more than 1.8 m.
 - 3.2.5 Chutes for debris shall be enclosed for their entire height, except for openings equipped with closures at or about floor level for the insertion of materials. The openings shall not exceed 1.2 m in height measured along the wall of the chute. At all storeys below the top floor, such openings shall be kept closed when not in use.
 - 3.2.6 Whenever materials are dropped to any point lying outside the exterior walls of the building, an enclosed chute of wood or equivalent materials, shall be used.
 - 3.2.7 When debris that cannot be handled by chutes is dropped, the area onto which the material is dropped shall be completely enclosed with barricades not less than 1.1 m high and not less than 1.8 m back from the projected edge of the opening above. Signs warning of the hazard of falling materials shall be posted at each level.
- 3.3 Vermin Control

Every enclosed workplace shall be so constructed, equipped, and maintained, so far as reasonably practicable as to prevent the entrance or harborage of rodents, insects, and other vermin.
- 3.4 Potable Water
 - 3.4.1 Potable water in accordance with Gulf standards shall be provided in all places of employment, for drinking, washing of the person, cooking, washing of foods,

washing of cooking or eating utensils, washing of food preparation or processing premises, and personal service rooms.

3.4.2 Potable drinking water dispensers shall be designed, constructed, and serviced so that sanitary conditions are maintained, shall be kept closed, and shall be equipped with a tap.

3.4.3 Open containers such as barrels, pails, or tanks for drinking water from which the water must be dipped or poured, whether or not they are fitted with a cover, are prohibited.

3.4.4 Containers used to distribute drinking water shall be clearly marked as to the nature of their contents and shall not be used for any other purpose.

3.4.5 Containers used to transfer and store water shall be clean and serviced so that sanitary conditions are maintained.

3.4.6 The common drinking cup is prohibited.

3.5 Nonpotable Water

3.5.1 Outlets for nonpotable water, such as water for industrial or firefighting purposes, shall be posted or otherwise marked in a manner that will indicate clearly that the water is unsafe and is not to be used for drinking, washing of the person, cooking, washing of food, washing of cooking or eating utensils, washing of food preparation or processing premises, or personal service rooms, or for washing clothes.

3.5.2 Nonpotable water shall not be used for washing any portion of the person, cooking or eating utensils, or clothing. Nonpotable water may be used for cleaning work premises, other than food processing and preparation premises and personal service rooms. Provided that this nonpotable water does not contain concentrations of chemicals, fecal coliform, or other substances which could create unsanitary conditions or be harmful to employees.

3.5.3 There shall be no cross-connection, open or potential, between a system furnishing potable water and a system furnishing nonpotable water.

3.6 Toilet Facilities

3.6.1 Toilet facilities shall be provided in all places of employment as required by Gulf Labour Law. The sewage disposal method shall not endanger the public health.

3.6.2 Quantity of toilets shall be 1 per 15 personnel as a minimum. Women toilet shall be (if founded) completely separated from men toilet, and shall have special entrance.

3.6.3 Facilities at Construction Sites

3.6.3.1 Under temporary field conditions, provisions shall be made to assure not less than one suitable toilet facility is available.

3.6.3.2 Job sites, not provided with a sanitary sewer, shall be provided with one of the following toilet facilities:

- Privies (where their use will not contaminate ground or surface water);
- Chemical toilets;

- Recirculating toilets (fitted with a system of recirculating oxidizing fluids);
 - Combustion toilets (provided with means for incineration of wastes).
- 3.6.3.3 The requirements for sanitation facilities shall not apply to mobile crews having transportation readily available to nearby toilet facilities.
- 3.7 Washing Facilities
 - 3.7.1 General Washing facilities shall be maintained in a sanitary condition.
 - 3.7.2 Lavatories
 - 3.7.2.1 Lavatories shall be made available in all places of employment. The requirements of this item do not apply to mobile crews or to normally unattended work locations if employees working at these locations have transportation readily available to nearby washing facilities which meet the other requirements of this item.
 - 3.7.2.2 Each lavatory shall be provided with potable water.
 - 3.7.2.3 Hand soap or similar cleaning agents shall be provided.
 - 3.7.2.4 Individual hand towels or sections thereof, of cloth or paper, warm air blowers or clean individual- sections of continuous cloth toweling, convenient to the lavatories, shall be provided.
 - 3.7.3 Showers

Whenever showers are required by a particular standard, the showers shall be provided in accordance with the following items:

 - 3.7.3.1 One shower shall be provided for each 10 employees or a numerical fraction thereof, who are required to shower during the same shift.
 - 3.7.3.2 Body soap or other appropriate cleaning agents convenient to the showers shall be provided
 - 3.7.3.3 Showers shall be provided with hot (minimum 37°C and maximum 50°C) and cold potable water feeding a common discharge line.
 - 3.7.4 Change Rooms

Change rooms equipped with storage facilities for street clothes and separate storage facilities for the protective clothing shall be provided.
 - 3.7.5 The employer shall provide adequate washing facilities for employees engaged in the application of paints, coating, herbicides, or insecticides, or in other operations where contaminants may be harmful to the employees. Such facilities shall be in a near proximity to the worksite and shall be so equipped as to enable employees to remove such substances.
- 3.8 Consumption of Food and Beverages on the Premises
 - 3.8.1 This item shall apply only where employees are permitted to consume food or beverages, or both, on the premises.
 - 3.8.2 No employee shall be allowed to consume food or beverages in a toilet room nor in any area exposed to a harmful material.

3.8.3 No food or beverages shall be stored in toilet rooms or in an area exposed to toxic materials.

3.9 Food Handling

All employee food service facilities and operations shall be carried out in accordance with sound hygienic principles. In all places of employment where all or part of the food service is provided, the food dispensed shall be wholesome, free from spoilage, and shall be processed, prepared, handled, and stored in such a manner as to be protected against contamination.